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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/598,676	09/07/2006	Robert Skog	P18957-US1	8725
27045	7590	07/12/2010	EXAMINER	
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024			KASRAIAN, ALLAHYAR	
			ART UNIT	PAPER NUMBER
			2617	
			NOTIFICATION DATE	DELIVERY MODE
			07/12/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/598,676	Applicant(s) SKOG, ROBERT	
	Examiner ALLAHYAR KASRAIAN	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 30-58 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 30-58 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 September 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>09/07/2006 and 09/21/2009</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement filed on 09/07/2006 fails to comply with 37 CFR 1.98(a)(1), which requires the following: (1) a list of all patents, publications, applications, or other information submitted for consideration by the Office; (2) U.S. patents and U.S. patent application publications listed in a section separately from citations of other documents; (3) the application number of the application in which the information disclosure statement is being submitted on each page of the list; (4) a column that provides a blank space next to each document to be considered, for the examiner's initials; and (5) a heading that clearly indicates that the list is an information disclosure statement. The information disclosure statement has been placed in the application file, but the information referred to therein has not been considered.

3. The information disclosure statement submitted on 09/21/2009 has been considered by the Examiner and made of record in the application file.

Specification

4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: "Method and System for Mobile-to-Mobile Web Service Handling".

Preliminary Amendment

5. The present Office Action is based upon the original patent application filed on 09/07/2006 as modified by the preliminary amendment filed on 09/07/2006. **Claims 30-58** are now pending in the present application.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

A. Claims 30-47 and 49-58 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carden (US Patent Application Publication # 20010039592 A1) in view of Van Gassel et al. (US Patent Application Publication # 20060031515 A1) (hereinafter Van Gassel).

Consider **claim 30, 41, and 56**, Carden discloses a method and system web service handling in a packet-switched communication system including a first mobile

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node with a web service associated with a web service identifier, comprising the steps of:

transmitting, from the first mobile node to a registration unit, a request for registering the web service of the first mobile node, including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the first mobile node (par.0020, 0024 and 0027); and

registering, at the registration unit, the unique identification information together with locating information (par. 0020).

However, Carden fails to disclose enabling for a second mobile node in the communication system to communicate with the web service at the first mobile node.

In the same field of endeavor, Van Gassel discloses enabling for a second mobile node in the communication system to communicate with the web service at the first mobile node (FIGS. 1 and 2, abstract).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the ad-hoc links between the mobile nodes as taught by Van Gassel to the method web registration for a device as disclosed by Carden for purpose of providing Internet application access to the other device in ad-hoc network.

Consider **claim 49**, Carden discloses a mobile node in a packet-switched communication system with means for web service handling, the mobile node including a web service associated with a web service identifier and comprising:

means for transmitting, to a registration unit, a request for registering the web service, including unique identification information comprising the web service identifier and a unique circuit-switched identifier of the mobile node (par.0020, 0024 and 0027).

However, Carden fails to explicitly disclose a mobile node in a packet-switched communication system a mobile node in a packet-switched communication system with means for web service handling.

In the same field of endeavor, Van Gassel discloses a mobile node in a packet-switched communication system with means for web service handling (FIGS. 1 and 2, abstract for the second device of user B).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate a mobile device with ability to access web applications as taught by Van Gassel to the method web registration for a device as disclosed by Carden for purpose of providing Internet application access for mobile users.

Consider **claim 31**, Carden as modified by Van Gassel discloses the claimed invention **as applied to claim 30 above**, Carden further discloses wherein the unique circuit-switched identifier comprises a mobile node identifier common or well-known in circuit-switched communications (par. 0020).

Consider **claims 32, 42, 50, and 57**, Carden as modified by Van Gassel discloses the claimed invention **as applied to claims 31, 41, 49 and 56 above**

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respectively, Carden further discloses wherein the unique circuit-switched identifier comprises a telephone or E. 164 number of the first mobile node (par. 0020-0021, 0025).

Consider **claims 33, 43, 52 and 58 as applied to claims 30, 41, 49 and 56 above respectively**, Van Gassel further discloses the steps of: requesting, at the second mobile node, the locating information for the web service at the first mobile node from the registration unit, the web service at the first mobile node being specified through the unique identification information; and transferring the requested locating information from the registration unit to the second mobile node (par. 0024, 0031).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the ad-hoc links between the mobile nodes as taught by Van Gassel to the method web registration for a device as disclosed by Carden for purpose of providing Internet application access to the other device in ad-hoc network.

Consider **claim 34 as applied to claim 33 above**, Van Gassel further discloses the step of establishing, at the second mobile node, communication with the web service of the first mobile node using the locating information (par. 0020).

Consider **claims 35, 44, and 51**, Carden as modified by Van Gassel discloses the claimed invention **as applied to claims 31, 41, and 49 above respectively**,

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Carden further discloses the step of concatenating, at the first mobile node, the web service identifier and the unique circuit-switched identifier of the first mobile into a combined service and node specific identifier to be used in the transmitting step (par. 0021 and 0036).

Consider **claim 36**, Carden as modified by Van Gassel discloses the claimed invention **as applied to claim 31**, and Carden further discloses the step of concatenating, at the registration unit, the web service identifier and the unique circuit-switched identifier of the first mobile node into a combined service and node specific identifier to be used in the registering step (par. 0021 and 0036).

Consider **claims 37, 45, and 53 as applied to claims 30, 41 and 52 above respectively**, Van Gassel further discloses wherein the locating information comprises a current IP address of the first mobile node and a port number of the web service at the first mobile node (par. 0048-0049, it is inherently taught connection to ISP server includes an IP address and port number).

Consider **claims 38, 46, and 54 as applied to claims 30, 41 and 52 above respectively**, Van Gassel further discloses wherein the locating information comprises an identifier of an intermediate device used for reaching the first mobile node (FIG. 2, par. 0073 and 0079 for base station 31L, it is inherently taught that a base station includes an identifier).

Consider **claims 39, 47, and 55 as applied to claims 30, 41 and 52 above respectively**, Van Gassel further discloses wherein the locating information comprises an IP address of an intermediate device used for reaching the first mobile node (FIG. 2, par. 0073 and 0079 for base station 31L, it is inherently taught that a base station includes an IP address).

Consider **claim 40**, Carden as modified by Van Gassel discloses the claimed invention **as applied to claim 31**, and Carden further discloses wherein the web service identifier comprises a Uniform Resource Identifier (URI) (par. 0003).

B. Claims 48 is rejected under 35 U.S.C. 103(a) as being unpatentable over Carden (US Patent Application Publication # 20010039592 A1) in view of Van Gassel et al. (US Patent Application Publication # 20060031515 A1) (hereinafter Van Gassel) further in view of Applicant Admitted Prior Art (See Background of the current specification) (hereinafter AAPA).

Consider **claim 48 as applied to claim 41**, Carden as modified by Van Gassel discloses the claimed invention except the registration unit comprising a Session Initiation Protocol (SIP) register server.

In the same field of endeavor, AAPA discloses a registration unit comprising a Session Initiation Protocol (SIP) register server (page 2 of current specification, par. 2 and 3).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to use SIP as session control mechanism as taught by AAPA to the method web registration for a device as disclosed by Carden as modified by Van Gassel for purpose of determining how the connection should be handled.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

- a. Simpson et al. (U.S. Patent # 7349543 B2) disclose Secure foreign enterprise printing.
- b. Asikainen (U.S. Patent # 6816724 B1) disclose Apparatus, and associated method, for remotely effectuating a transaction service.
- c. Rekimoto et al. (U.S. Patent # 7526252 B2) disclose Information communication system information communication device and information communication method and computer program.
- d. Plata Andres et al. (U.S. Patent Application Publication # 20060098621 A1) disclose Method for routing a service request in a telecommunication system, using e.164 numbers and a dns.
- e. Low et al. (U.S. Patent Application Publication # 20050141491 A1) disclose Method and apparatus for accessing communication data relevant to a target entity identified by a number string.

8. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed**

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Hand-delivered responses should be brought to

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9. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Allahyar Kasraian whose telephone number is (571) 270-1772. The Examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Rafael Pérez-Gutiérrez can be reached on (571) 272-7915. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/Allahyar Kasraian/

Examiner, Art Unit 2617

/Rafael Pérez-Gutiérrez/

Supervisory Patent Examiner, Art Unit 2617

July 2, 2010